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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 466 142 570 US, in an envelope addressed to: MS PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Signature:

Dated: January 12, 2005

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Docket No.: BTW-092US

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Ian Edward Day

International application No. PCT/GB2003/002949

International Filing Date: 8 July 2003

Application No.: Not Yet Assigned Confirmation No.: N/A

Filed: Concurrently Herewith Art Unit: N/A

For: SEMICONDUCTOR OPTICAL

WAVEGUIDE DEVICE

Examiner: Not Yet Assigned

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Citations A1 and A5 were cited in an International Search Report in the corresponding International patent application PCT/GB2003/002949. Since the foregoing publications and search report have previously been transmitted to all the designated Offices by the International Bureau, Applicants do not enclose copies of those publications herewith. Applicants, however,

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enclose a copy of Citations A2-A4 which were cited in the UK search report for corresponding Great Britain Patent Application 0216143.8. A copy of the UK search report is also enclosed.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. BTW-092US.

Dated: January 12, 2005

Respectfully submitted,

Amhony A. Lagrentano Registration No.: 38,220

LAHIVE & COCKFIELD, LLP

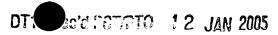
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PTO/SB/08a/b (08-03)
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STATEMENT BY APPLICANT				First Named Inventor	Ian Edward DAY	
				Art Unit	N/A	
(Use as many sheets as necessary)				Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	BTW-092US	

U.S. PATENT DOCUMENTS							
Examiner Initials*	C'A-	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	Cite No. <sup>1</sup>	Number-Kind Code <sup>2</sup> ( if known)	1414 DD 1000/	Applicant of Cited Document			
	A1	US-6,374,001 B1	04-16-2002	Bozeat Robert J. et al.			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				T <sup>8</sup>	
	A2	GB-2 340 616 A	02-23-2000	Bookham Technology Limited			
	A3	GB-2 372 576 A	08-28-2002	Bookham Technology Plc			
	A4	GB-2 372 578 A	08-28-2002	Bookham Technology Plc			

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>		
	A5	Hewitt P.D. et al: "Improved modulation performance of a silicon p-i-n device by trench isolation", JOURNAL OF LIGHTWAVE TECHNOLOGY, March 2001, IEEE, USA, vol. 19, no. 3, pages 387-390, XP002258534, ISSN: 0733-8724, chapter "III. Device Structure" abstract; figure 1			

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date	
Signature	Considered	

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.